

[ABSTRACT]

The present invention relates to an LCD device capable of decreasing a contact resistance between a single metal layer having a good conductivity and a transparent electrode, and a method for manufacturing the LCD device.

A liquid crystal display device includes a signal line, wherein the signal line includes a substrate, a first metal layer formed on the substrate, an alloy layer formed on the first metal layer, an insulating film having a hole on the alloy layer, and an electrode contacting the alloy layer through the hole of the insulating film.

In the present invention, when the metal electrode and the low resistance metal are sequentially formed on the transparent substrate, the alloy layer is formed between the metal electrode and the low resistance metal. Then, the low resistance metal is removed to expose the alloy layer, and the transparent electrode is formed to contact the alloy layer. Accordingly, a decreased electrical contact resistance between the electrode metal layer and the transparent electrode is obtained. Moreover, since fewer masking steps are used compared with those of a conventional LCD device employing double metal layers, yields ratios and manufacturing costs are improved.

[REPRESENTATIVE DRAWING]

FIG. 3